

sub A1

1. In a switching amplifier of the type wherein one or more references are coupled to a load through gated switches controlled by a pulse-width modulated input signal, the improvement comprising:
 - 4 adding a minimum pulse width to some or all of the switching devices so as to null the common-mode output presented to the load.

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2. The improved switching amplifier of claim 1, wherein the switches are arranged as differential pairs on either side of the load.
3. *B* The improved switching amplifier of claim 1, wherein minimum pulse width is added during the pulse-width modulation of the input signal.

sub A2

4. An enhanced performance switching amplifier coupling an input signal to a load, comprising:
 - at least one electrically controlled switch coupled to each side of the load; and
 - 4 a waveform generator operative to perform the following functions:
 - a) control the switches in accordance with the input signal, and
 - 6 b) adding a minimum pulse width to so as to null common-mode output presented to the load.

Sub B1

5. The improved switching amplifier of claim 4, wherein the switches are arranged as differential pairs on either side of the load.
6. The improved switching amplifier of claim 4, wherein minimum pulse width is added by the pulse-width modulator.